

Lake Wichita Dam and Lake Wichita

OWNER

City of Wichita Falls.

ENGINEER (Design)

Montgomery and Ward.

LOCATION

On Holiday Creek in Wichita County, 6 miles southwest of Wichita Falls.

DRAINAGE AREA

143 square miles.

DAM

Type	Earthfill
Length	6,250 ft
Height	23 ft
Top width	20 ft
Top elevation	987.5 ft above msl

SPILLWAY (emergency)

Type	Uncontrolled
Length	400 ft
Elevation	981.0 ft above msl

OUTLET WORKS

Type	2 pipes, each 36-inch diameter
Invert elevation	965± ft above msl
Control	Slide gates

STATE AUTHORIZATION

Certified Filing No. 559, June 30, 1914, authorizes construction of a dam to create a reservoir to store 23,000 acre-feet of water. The city purchased the dam and water rights from the Wichita Falls Electric Company in 1920.

RESERVOIR DATA

The lake has a capacity of 14,000 acre-feet and an area of 2,200 acres at elevation 980.5 ft above msl. 3,000 acre-feet is considered dead storage.

The city has discontinued the use of water from Lake Wichita for domestic purposes. Water is sold to the Texas Electric Service Company for cooling purposes at its steam-electric generating plant.

GENERAL

Construction started	1900
Construction completed	1901
Impoundment began	1901
Estimated cost of the dam	\$350,000

